

Dr. SHAIK ASIF HUSSAIN

Assistant Professor & Officer

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Profile

I am a faculty member and an officer at Middle East college since 2015 and working for the Department of Electronics and communication Engineering and Center for Research and Consultancy.

- Over 10+ years Teaching and Research experience at Institution and university level
- I am senior member of IEEE and CEng from IET
- Currently I am conducting research on Blockchain Technology using hyperledger platform for Electronic Health Record Management platform design for hospitals of Oman.
- I have received 7 research projects as Principal Investigator from various funding agencies such as Ministry of Higher Education, Research and Innovation of Oman, Science Engineering Research board, All India Council of Technical Education, Indian council of Medical Research (ICMR).
- To my credit I have 4 patents and 1 copyright from Australian, Indian and Oman patent offices and published 14 scopus journals, 21 peer reviewed Journal papers, 25 International Conference papers and attended 20 National Symposium.
- I am trained and certified from world Intellectual Property Organization (WIPO) in registering Intellectual property Rights and presently acting as an officer, Technology Transfer office at MEC Research and Consultancy.
- I am certified professional from Microsoft, blockchain council and project management Institute for Python programming, blockchain and project management respectively.

- I am reviewer and organizing committee member for international conferences of IEEE and Springer conducted at MEC. Able to lead the team and work independently for the projects.
- Experience in Academic Program Accreditation: IET and OAAA.

EDUCATION

– **Ph.D. Electronics and Communication Engineering**

Department of Electronics and Communication Engineering

**Jawaharlal Nehru Technological University Anantapur,
Andhra Pradesh, India.**

Ph.D. Thesis titled: A Novel Approach for Medical Image Reconstruction for Cancerous lesion Detection.

Work Description: During my PhD I investigated different iterative and Analytical filtered back projection kernels used in computed tomography (CT) to reduce the machine artifacts.

This work was essential to yield high image quality diagnostics in CT where the major challenges were low dose radiation, projection data corruption and streaking artifacts. I used Iterative Model based reconstruction method for accurate segmentation and bias correction of Computed tomography (CT) by avoiding various image artifacts.

More information about my doctoral study can be found in the below link with published papers which includes most of my research outcome.

Web link: <http://hdl.handle.net/10603/35326>

– **Post Graduate Certificate (PGCERT) in Academic Practices of Higher Education and Pedagogy in Teaching and learning mechanism, Coventry University, U.K.**

– **M. Tech. Embedded Systems**

Department of Electronics and Communication Engineering

Jawaharlal Nehru Technological University, Hyderabad, India

– **B. Tech Electronics and Communication Engineering**

Jawaharlal Nehru Technological University, Hyderabad, India

ACADEMIC/ ADMINISTRATIVE EXPERIENCE

(7 Years Teaching+ 4 Years Research project Experience)

- **Working as officer, Technology Transfer office at Middle East College from January 2020 to till date (Affiliated to Coventry University, United Kingdom) Muscat, Oman.**

Responsibilities

- To receive applications related to technology transfer including requests for patent deposit registration, software code authorship, licensing request and others.
- Conduct workshops and awareness session related to intellectual properties policies
- To ensure that submissions are complete and include all the related documents, description and diagrams including MEC declaration form and also check that all the submissions follow the standard policy and procedures related to intellectual property laws in Sultanate of Oman.
- To review the technical content of each application form technically and legally.
- To Conduct a pre-assessment evaluation for any application by constituting a committee from different departments and specializations using available resources to ensure that similar applications have not been submitted, and licensed previously, both inside Oman and internationally.
- Submitting annual and monthly reports and documentation related to the Office.
- Communicate with the industry to find all commercialization and funding opportunities.
- Conduct exhibitions, symposiums and other related activities to promote research outcomes with industry partners and finding new opportunities for partnership.
- Ensure that all industry related agreements are subjected to the policies and rules of Middle East College for technology transfer.
- Identify the need for new policies, procedures and provide recommendations to the higher management.

- **Worked as Assistant professor at Middle East College, from September 2015 to 2020 (Affiliated to Coventry University, United Kingdom) Muscat, Oman.**

Responsibilities

- Teaching Graduate and Post graduate programs.
- Facilitating student led learning environment with Flip Teaching methods.
- Assist in developing research or project ideas for Undergraduate and post graduate students and guide them throughout their research.
- Coordinating, maintaining records, and guiding staff for research publications.
- Responsible for setting question papers and answer keys to Coventry University, also to perform result analysis.
- Organize and conduct workshops, industry visits, guest lectures etc.
- Responsible to apply Research funding to the Research council of Oman (TRC) under open research and undergraduate research grant.
- Preparing project evaluation Assessment forms for Students.
- Responsible as a module leader, Moderator for the modules taught in each semester.
- Writing reports for bi-annual periodic reviews and procuring equipment for research projects sanctioned.

- **Worked as Associate professor at Annamacharya Institute of Technology and sciences (Autonomous) from January 2015 to September 2015, Rajampet, Andhra Pradesh, India.**

Responsibilities

- Attract research funding from local and international bodies such as AICTE, SERB.
- Supervision of undergraduate and postgraduate projects.
- Preparation of documents for Accreditation of degree programs from NBA and NAAC.
- Correction of university Exam papers and other autonomous college papers.

- Member of Board of studies to update and revise the curriculum as per the current technological trends and changes
- **Worked as Assistant professor at Annamacharya Institute of Technology and sciences (Autonomous) from October 2008 to August 2010, Rajampet, Andhra Pradesh, India.**

Responsibilities

- Coordinating and maintaining research activities and records.
- Supervision of undergraduate and postgraduate projects.
- Preparation of documents for Accreditation of degree programs from NBA and NAAC.
- Correction of university Exam papers and other autonomous college papers.
- Lab Development and Procurement.
- Publishing research papers in reputable conferences and journals.

FUNDED PROJECTS/ RESEARCH GRANTS

1. **Project Title: A Novel Mechanism of Electronic Health Records (EHR) management in hospitals of Oman using Block chain technology**

Funding Body: Ministry of Higher Education, Research, and Innovation (MOHERI)

Category of grant: Open Research Grant (ORG)

Role: Principal Investigator.

Reference Number: BFP/RGP/HSS/18/135

Fund: OMR 11,740

Duration: August 2019- July 2021

2. **Project title: Design of wearable IoT device supported by Deep learning for Smart covid-19 monitoring and Alerting system**

Funding Body: Ministry of Higher Education, Research, and Innovation (MOHERI)

Role: co-Principal Investigator.

Sponsorship: COVID-19- Ministry of Health

Fund: OMR 10,000

Duration: August 2020 - December 2020

- 3. Project Title: Social Media Mining analyzer for understanding student metacognitive behavioral management using big data analytics and Hadoop map reduce classifier**

Funding Body: Ministry of Higher Education, Research, and Innovation (MOHERI)

Category of grant: Graduate Research Grant

Role: Supervisor.

Reference Number: BFP/GRG/HSS/13/126

Fund: OMR 2600

Duration: December 2020- December 2021 (ongoing)

- 4. Project Title: Adaptation of Power Line Communication for Smart Water Meter System**

Funding Body: Ministry of Higher Education, Research, and Innovation (MOHERI)

Category of grant: Undergraduate Research Grant

Role: Supervisor.

Reference Number: BFP/URG/EI/19/213

Fund: OMR 2600

Duration: December 2019- December 2020

- 5. Project title: A Dynamic Modeling Approach for Medical Image Reconstruction**

Funding Body: All India Council for Technical Education (A.I.C.T.E), India

Role: Principal Investigator.

Reference Number: 8023/RID/RPS-2/2010-11

Fund: \$16,000

Duration: May 2011 - July 2014

- 6. Project title: Infrared Thermography: A Diagnostic tool for accurate analysis and detection of Diabetes mellitus with OMAP/ ARM Processor**

Funding Body: Department of Science & technology, Science engineering research board (SERB), New Delhi, India

Role: Principal Investigator.

Reference: YSS/2015/001323/ES

Fund: \$31,600

Duration: Sep 2015 – Discontinued due to relocation to Oman

7. Project title: Development of 3D Physical Model with Image Rendering for Accurate Reconstruction of crania Facial Surgeries

Funding Body: Indian Council of Medical Research (ICMR) under Extramural Research Program, India

Role: Principal Investigator.

Reference: 2015-1436

Fund: \$19,276

Duration: July 2015 – Discontinued due to relocation to Oman.

PHD STUDENT GUIDANCE

S. No.	Ph.D. Student Name	Title	University Registered	Year
1.	Mr. Yahya Yaqoob Obaid Al Balushi	Renewable energy generation and its analysis using AI	University Tenaga Nasional Malaysia (UNITEN)	2019
2.	Ms. Muna Abdullah Al Rahbi	Active line checking without dispatching the fiber	University of Central Lancashire	2021

PHD STUDENT THESIS AND MASTER DISSERTATIONS SUPERVISION

PHD student Thesis

- [1]. Security enhancement of authentication and key agreement protocol for wireless communication network, thesis from Gujarat Technological University, India, 2017.
- [2] Dynamic Secured approach to malicious nodes in Mobile Adhoc Networks, thesis from Visvesvaraya Technological university, India, 2019.

- [3]. EEG based Emotion Detection using wavelets, thesis from Visvesvaraya Technological university, India, 2019.

Master Dissertations

- [4]. Fuzzy Based Steganalysis Pattern Discovery for High Accuracy, Dissertation of Master of science in Electronic Engineering (MSc-EE), Middle East college, Muscat, 2017
- [5]. Design and development of graphical user interface (GUI) with Matlab for early detection of diabetic foot ulcers using Infrared Imaging, Dissertation of Master of science in Electronic Engineering (MSc-EE), Middle East college, Muscat, 2018
- [6]. Design and simulation of Expanded DVB S2 with Simulink for improvement of capacity and spectral efficiency in satellite broadcasting, Dissertation of Master of science in Electronic Engineering (MSc-EE), Middle East College, Muscat, 2018.

PROFESSIONAL CERTIFICATES

- [1] MTA: 98-381: Microsoft Technology Associate certification (H508-1104) in Introduction to python programming with 87/100 score.
- [2] Certified Blockchain Expert: Certificate ID: 32895433 from Blockchain Council.

PATENTS AND COPYRIGHTS REGISTERED

A. DETAILS OF PATENT

S. N o.	Type of IPR	Type of pate nt	Patent Reg. No. and Filing date	Author (s)	Filed in Oman or Territorial	Title of the patent
1.	Patent	Innovation	Reg. No: 2021107511 Date of Filing: 26.08.2021	1. Dr. Shaik Asif Hussain 2. Mr. Raza Hasan, 3. Dr. Javeed 4. Mr. Salman Mahmood, 5. Dr. Abdul Jilani	Filed in Australia	A Novel Brain Adequacy Test system to improve Cognitive Index of Youth using Noninvasive Brain sensors and Artificial Neural Networks

2.	Patent	Innovation	Reg. No: 2021103523 Date of Filing: 23.06.2021	Mr. Raza Hasan, Dr. Sellappan Palaniappan, Mr. Salman Mahmood, Dr. Shaik Asif Hussain	Filed in Australia	A Novel Method and system to enhance teaching learning and student evaluation process using 'eDify' Mobile Application
2.	Patent	Utility Model	Reg. No: OM/P/2021/000174 Date of filing: 06/05/2021	Dr. Nizar, Dr. Shaik, Dr. Vidhya, Dr. Sumesh, Dr. Ammar, Mr. Jibreal	Filed in Oman	Internet of Things (IoT) based wearable device to geofence, monitor and manage COVID-19 quarantine patient
3.	Patent	Utility Model	Reg. No: 202141009918 A Date of filing: 09/03/2021 Date of publication: 19.03.2021	Dr. Shaik Asif, Dr. Shaik Javeed, Dr. Mohataram	Filed in India	A novel method and system for assisting visually impaired people using automated voice-based Braille script teaching aid
4.	Patent	Utility Model	Reg. No: 202141020236 A Date of filing: 03/05/2021 Date of publication: 07.05.2021	Dr. Shaik Asif, Dr. Shaik Javeed, Mr. Zahid Hussain, Dr. Mohataram	Filed in India	An Efficient Technique for Classifying Normal and Pathological Tissues Segmentation in MRI Brain Image

B. DETAILS OF COPYRIGHTS

S. N o.	Type of IPR	Applicant Details	Copyright Registration Number	Purpose	Title of Copyright	Date of Registration
1.	Copyright	Shaik Asif Hussain	CP00000000001326926	Electronic Health Record Management for the Hospitals of Oman	A Novel Mechanism of Electronic Health Records (EHR) management in hospitals of Oman using Block chain technology	26.09.21

WORKSHOPS ORGANIZED AT MEC as Technology Transfer officer

S. No.	Proposed items as per proposal	Achievements	Resource Experts
1.	IP Awareness Program - IP Awareness & Training	5 Workshops have been conducted online through MS teams' tool to create awareness and motivation for Middle East college and other Higher Education Institutions in Oman.	<ol style="list-style-type: none"> 1. Mrs. Rasha Hamdy Abdel Magid (External Expert from Ministry of commerce & Industry) -25.06.2020 2. Mr. Ammar Jamie (External Expert Saba IP & co.)- 11.02.2021 3. Dr. Nawshat Shafi, Head of the Scientific Research Department, College of Applied Sciences-Sohar, Oman. 4. Ministry of Higher Education Research and Innovation- TRC 5. Conducted by World Intellectual Property Organization (WIPO) on patent cooperation Treaty for two days (29.06.21 to 30.06.21) 6. Conducted by Clarivate on Role of patents in academics by Mr. Rohit Gole from Clarivate

Continuing Professional Development (CPD) in Intellectual Property from WIPO

S. No.	Course Name	E-Learning	Completed Year
1.	General course on Intellectual Property (DL101E20s1)	World Intellectual Property Organization (WIPO)	10 th Feb 2020- 06 April 2020
2.	Primer on Intellectual Property (DL001E20)	World Intellectual Property Organization (WIPO)	15 th Jan 2020- 30 November 2020
3.	Introduction to the Patent cooperation Treaty (PCT101E20)	World Intellectual Property Organization (WIPO)	15 th Jan 2020- 30 November 2020

4.	IP panorama (DLIP PanoramaE20)	World Intellectual Property Organization (WIPO)	15 th Jan 2020- 30 November 2020
5.	Promoting Access to Medical Technologies and Innovation (DL701ENT20S1)	World Intellectual Property Organization (WIPO)	01 st April 2020- 07 May 2020
6.	e-Tutorial on using Patent Information (DL177E21S1)	World Intellectual Property Organization (WIPO)	01 February 2021- 30 March 2021
7.	WIPO- Ukraine Summer School on Intellectual Property (WSSUA_21)	World Intellectual Property Organization (WIPO)	19 July 2021- 30 July 2021

RESEARCH OUTCOME

- 4 Patents, 1 Copyright, 5 Research grants, 7 Book Chapters, 7 Scopus journals and 21 peer reviewed journals, and 25 International conferences

Google Scholar Link: <https://scholar.google.com/citations?user=m0q3wcYAAAAJ&hl=en>

According to Google Scholar

Citation Indices	All
Citations	145
H-index	7
i-10 index	3

Research gate link: https://www.researchgate.net/profile/S_Asif_Hussain2

Scopus Author ID: 57192437099

Researcher: AAJ-2554-2021

ORCID ID: <https://orcid.org/0000-0001-5312-4320>

RESEARCH INTERESTS

Digital signal and Image Processing, Biomedical Engineering, RFID and Embedded Systems, IoT and wireless communications with NS2 and CISCO packet tracer, Matlab, Python, KERAS, PyTorch and openCV programming.

UNDERGRADUATE COURSES TAUGHT

- Digital Image Processing
- Digital Signal Processing (ELEC 30001.3)
- Antenna Wave Propagation (ELEC 20006.2)
- Multimedia Communications and IoT (ELEC 30004.2)
- Microwave Engineering (ELEC 30005.1)
- Radar Theory and Satellite Communication Systems (ELEC 30006.2)
- Project Design and Implementation (PROJE 30002.2)
- RFID system & Design
- Electronic Devices and Circuits
- Embedded systems
- Introduction to Information Technology
- Digital logic design (ELEC 10002.2)
- Electronic circuits (ELEC 10004.2)
- Project Planning (PROJE 30001.2)

POST GRADUATE COURSES TAUGHT

- Linear Control Engineering (ECM02MSE)
- System Modelling and Simulation
- Embedded systems
- Embedded Real time operating systems
- Digital Signal and Image processing
- Sensor and Measurement Technology

TECHNICAL SKILLS

- **Operating Systems:** Microsoft Windows (95,98,NT,ME,2000,XP,Vista,7), Linux (Redhat, Mandriva, Fedora, Ubuntu), Unix (Solaris).
- **Text, Spreadsheet and Photo Editing:** MS Word, MS Power Point, MS Excel, Adobe Acrobat, Adobe Reader, Adobe Photoshop, Scientific Workplace, LaTeX, Emacs.

- **Internet and Email:** Internet Explorer, MS Outlook, Mozilla Firefox, Mozilla Thunderbird, Google Chrome.
- **CAD and Simulation Tools:** MATLAB/Simulink, Lab View, FPGA, Model Sim, Quartus II, PSPICE, Micro Wind 3.1, MULTISIM, TINA, PCB Assembly and Testing
- **Embedded Processors:** 8051, PIC16F, PIC18F, ARM7/ARM 9, Aduino, Raspberry pi
- **Programming Languages:** Python, C, C++, VHDL, Assembly language.

PROFESSIONAL MEMBERSHIPS

- ISTE, New Delhi: LM 88354.
- Member of IEEE- 93357674
- IEI, Kolkata- AM 1510781
- IACSIT, Singapore -80341328
- IAENG, Hong Kong -112657
- UACEE, India -IN0078664
- CSTA -2908656
- Singapore Institute of Electronics -60080009
- APCBEES, china- 200441
- SCIEI, Hong Kong -009120111104003
- IEDRC, Hong Kong -90080173
- ICCTD technical committee EN-D0487
- SDIWC, Lithuania -3518
- Primary Care Diabetes Society -12566
- ISOC, Geneva, Switzerland & Reston,- 293930
- ISOC, India-Bangladesh Chapter -294225
- ISOC, India-Bangalore Chapter -294163

PROFESSIONAL ACTIVITIES

Editorial

- International Journal of Electronics, Communication and Computer Engineering, 2015-21.

- International Journal of Soft Computing and Engineering 2014-2020.
- International Journal of Software Engineering and Knowledge Engineering, 2014-19.

Reviewer

- Circuits, Systems, and Signal Processing, springer.
- Informatics in Medicine unlocked, Elseiver.
- Advances in science, Technology and Engineering systems journal (ASTESJ).
- Transactions on Emerging Telecommunications Technologies (ETT).
- Jurnal Teknologi sciences & Engineering (UTM).
- MethodsX Journal, Elseiver.
- Telecommunication Computing Electronics and Control (TELKOMNIKA)
- International Journal of Engineering Research & Technology (IJERT).
- Dove press Journal Advances in Medical Education and practice, USA.
- International Journal of computer science Issues, Mahebourg, Republic of Mauritius.
- International Journal of computer science & Information Security (IJCSIS 2012) of USA.
- International journal of soft computing and Engineering, Bhopal, India.
- International Journal of Computers and Applications, ACTA Press, Calgary, Canada.
- Engineers Australia Technical Journals, Australia.
- International journal of medical Internet Research, USA.
- International Journal of Electrical, Electronics and Computer Systems (IJEECS), USA.
- International Journal of Algorithm, of AWEM Group, USA.

Program committee Member

- **IEEE** 8TH International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2020), **AMITY UNIVERSITY**, NOIDA, AUGUST 29-31, 2020.
- **IEEE** 7TH International Conference on Reliability, Infocom Technologies and Optimization (ICRITO'2018), **AMITY UNIVERSITY**, NOIDA, AUGUST 29-31, 2018.

- **IEEE** sponsored 2011 3rd International Conference on Computer Technology and Development (ICCTD 2011) **Chengdu, China**. November 25-27, 2011
- **IEEE** sponsored 2012 2nd International Conference on Computer Technology and Development (WCIT 2012) **Istanbul, Turkey**. January 25-27, 2012.
- **IEEE** sponsored International Conference on Computer Sciences & Information Technology
- **(ICCSIT 2011)** held at **Chengdu, China** in June' 2011.
- **IEEE** sponsored **8th** International Conference on Advanced Information and Management service (**ICIPM 2012**) held at **Kyoto, Japan** in Sep 18-20' 2012.
- **IEEE** sponsored 5th International Conference on Interaction sciences: IT, Human, Digital Content (IJNCAA 2012) held at **Jeju Island, Korea** in Jun 26-28' 2012.
- **IEEE** sponsored International Journal of new architectures and their applications (ICIS 2012) held at **Thailand** in Jun 26-28' 2012.
- **IEEE** sponsored Second International Conference Digital Information and Communication technology and its applications (DICTAP 2012) held at **Thailand** in Jun 26-28' 2012.
- **IEEE** sponsored International Conference Informatics and its applications (ICIA 2012) held at **Malaysia** in Jun 3-5' 2012.
- **IEEE** sponsored Second International Conference Electronics and Optoelectronics (ICIA 2012) held at **Shenyong, China** in Jun 27-29' 2012.

AWARDS AND ACHIEVEMENTS

- In 2014, Appreciated by Texas instruments for conducting Analog maker design competition.
- During the year 2010 and 2015 my post as Assistant professor was **Ratified** from Jawaharlal Nehru Technological University Hyderabad and Anantapur.
- In 2000, I was awarded as best student for **Diploma** in computer applications (PGDCA) with A Grade and first division from St. Joseph's computer Academy.
- Received grants of Rs. 11.3 Lakhs from AICTE letter No.8023/RID/RPS-2/2010-11 under Research Promotion Scheme as Principal investigator and **young researcher** award.

ADMINISTRATION

Department

- Member of OAAA Accreditation committee in Oman.
- Conducted workshop for python programming, Blockchain technology for faculty and students.
- Research and Development coordinator from Dept., (2012-2013 and 2015-2018).
- Writing of research proposals, technical and financial reports.
- Contributed to the preparation and revision of Standards for the OAAA and ABET accreditation (2016-2017).
- Organizer/member of the organizing committee - Open Day for Software Engineering Department (2009-2013).
- Conducted a Workshop on Matlab and Simulink to Electronics & communication Engineering Students (Fall 2017).
- Organized a series of seminars and workshops conducted by the CAP on Machine Learning using Matlab (Spring 2017).
- Supervisor of projects, two in April 2016, 2018, M.sc Electronics.
- Academic advisor, Electronics and Communication Engineering Department (2016-Present).

Institutional

- Member of the Academic and Accreditation Committee at Middle East college (Jan. 2016-Present).
- Member of the laboratories committee (2015-2016).
- Conducted workshop on Research grants and Upgrade program of TRC at college level.
- Organizing Committee Member International conference at Middle East College 2015-16, 2018.
- Technical Committee Member for International conference at Middle East College 2018.

- Examination: arrangement of examinations, invigilation, marking and assessment of exams.

PUBLISHED RESEARCH WORK

BOOK CHAPTERS: 07

- [1]. Shaik Asif Hussain*, Ahlam Salim Abdullah Al-Balushi, Vidhya Lavanya Ramachandran, "Blockchain Technology for Electronic Health Record (EHR) Management and Monitoring in Hospitals - an Insightful Perspective" Lecture notes of Transactions on Computational Science and Computational Intelligence, Springer July 2021 ISSN 2569-7072, **Springer** publisher.
- [2] **S. Asif Hussain**, Chandra shekhar Ramaiah, Dr. M. N. Giri Prasad " An Intelligent framework system for finger touch association on planar surfaces" Lecture notes of Electrical Engineering(LNEE)- Springer December 2015 ISBN 978-981-10-1540-3, **Springer** publisher.
- [3]. Mohammed Abdullah Salim Al Husaini, **S. Asif Hussain**" Fuzzy Based Steganalysis Pattern Discovery for High Accuracy" Advances in Computer Communication and Computational Sciences. Advances in Intelligent Systems and Computing, volume 760. Pages 59-71 Singapore, August 2018, ISBN: 978-981-13-0344-9, DOI: https://doi.org/10.1007/978-981-13-0344-9_5. **Springer** publisher.
- [4]. **S. Asif Hussain**, Haitham Al Balushi, Shaik Javeed Hussain "Detection of brain activity with an automated system hardware for accurate diagnostic of mental disorders" ISBN: 978-1-4503-4774-7 DOI: 10.1145/3018896.3025127. **ACM** digital Library publisher.
- [5]. **S. Asif Hussain**, S.Javeed Hussain, C.Venkatesh, L.Chetana, V.Gireesha "Segmentation of normal and pathological Tissues in MRI brain images using dual classifier"- Published by IACSIT Press, Singapore, proceedings in the Volume-20 of IPCSIT, and included in the Engineering & Technology Digital Library, and reviewed and indexed by **Thomson ISI (ISTP)**, pp 165 - 169. JP ISSN: 2010-4601.
- [6]. **S. Asif Hussain**, Sana Al Ghawi, Budoor Al Rawahi, S. Javeed Hussain " Design and Implementation of Indoor environment monitoring and controlling system"

Published in cognitive informatics and soft computing” **Springer** nature Singapore
DoI: 10.1007/978-981-13-0617-4

- [7]. **Shaik Asif Hussain**, Shaik Javeed Hussain, Raza Hasan, Samiullah Khan, 2019. Design and Implementation of Animal activity monitoring system using TI sensor Tag, Advances in Intelligent systems and computing book series, **Springer**, 1040 (3), PP- 167-175, DoI: 10.1007/978-981-13-0617-4.

SCOPUS JOURNAL ARTICLES: 07

- [1]. **S. Asif Hussain**, Shaik Javeed Hussain et.al “Low-cost voice-based Braille script communication for Teaching Aid”, Journal of communications (JCM), **Scopus** Indexed, Volume 16, No.10, October 2021, 100588 ISSN: 1796-2021.
- [2]. **S. Asif Hussain**, Nizar Al Bassam et.al “IoT based wearable device to monitor the signs of quarantined remote patients of COVID-19”, Informatics in Medicine unlocked (IJMERR), **Scopus** Indexed, Elseiver, Volume 24, May 2021, 100588 ISSN: 2352-9148.
- [3]. **S. Asif Hussain**, Raza Hasan “Design of Wireless robotic system for rescue operation in hazardous environments”, International Journal of Mechanical Engineering and Robotics Research (IJMERR), **Scopus** Indexed, June 2019, ISSN: 2278-0149.
- [4]. **Shaik Asif Hussain**, Ahlam Salim Abdallah Al Balushi, 2019. A real time face emotion classification and recognition using deep learning model, Journal of Physics: Conference Series (IoP), **Scopus** Indexed, January 2019, 1432 (12087), PP-1-13.
- [5]. **S. Asif Hussain**, Chandrashekar Ramaiah “A Hardware Model to Measure Motion Estimation with Bit plane matching Algorithm”. TELKOMNIKA Journal-Telecommunication Computing Electronics and Control. **Scopus** Indexed, Volume: No.16, Issue No.:5, October 2018 ISSN: 1693-6930.
- [6]. **S. Asif Hussain**, Raza Hasan, Shaik Javeed Hussain “Classification and Detection of Plant Disease using Feature Extraction Methods” International Journal of Applied Engineering Research, **Scopus** Indexed, Volume: No.13, Issue No.:6 (2018) Pages: 4219-4226, ISSN: 0973-4562

- [7]. **S. Asif Hussain**, Chandrashekar Ramaiah, Madhav Prabhu and S. Javeed Hussain "Robot Manipulator with a tactile sensor for object Recognition in Industrial welding process, International Journal of Control Theory and Applications, **Scopus** Indexed, Volume: No.9, Issue No.:17 (2016) Pages: 8373-8381, ISSN: 0974-5572.

PEER REVIEWED JOURNAL ARTICLES: 21

- [1]. **S. Asif Hussain**, Dr. D. Satya Narayana, Dr. M.N. Giri Prasad "OTSU's Thresholding with back projection modeling for neural network data sets" International Journal of Image, Graphics and signal processing, Published by Modern education and computer science press Volume 6, Issue 7 March 2014, e-ISSN: 2074 9082 p- ISSN: 2074 9074. DOI: 10.5815/ijigsp.2014.07.02
- [2]. P. Anwar Basha, G. C. Madhu, Dr. Y. Venkata Narayana, J. Jhansi, **S. Asif Hussain** - "Design of a Flood warning System based on F-Bus Protocol" CIIT international Journal of Networking & Communication Engineering, Vol 4, No 15, December 2012. ISSN No: 0974-9713 DOI: NCE 122012002.
- [3]. **S. Asif Hussain**, Dr. M. N. Giri Prasad and Dr. D. Satya Narayana "Superior Reconstruction Quality improvement of CT Image for Bias Correction Variance Measures"- International Journal of Computer Applications 2012- IJCA July 2012 Published by Foundation of Computer Science, New York, USA, Proceedings in Volume 47 - Number 5 of IJCA July 2012 ISSN: 0975 – 1888 D O I : 10.5120/7185-9918.
- [4]. **S. Asif Hussain**, S. Javeed Hussain, T. Satya savitri ,P.V. Sree devi "Hybrid system Applications in computer Vision – A Review" International journal of Multidisciplinary Research advances in Engineering(IJMRAE),VOL.3,IV (OCT 2011),pp15-22,2011 ISSN 0975-7074.
- [5]. **S. Asif Hussain**, S. Javeed Hussain, T. Satya savitri, P.V. Sree Devi "Segmentation of pathological and Healthy tissues with reduced weighted vectors using hybrid intelligence technique "International journal of Applied Engineering Reserch,VOL.4,II (May 2011),pp315-322,2011 ISSN 0974-1518.
- [6]. **S. Asif Hussain**, N. Bala Dastagiri, M. Raj Mohan, V. Raj Mohan, C. Hari Prasad, V.Vamsi kiran "FPGA implementation of viterbi algorithm for processing of

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I hereby declare that the above mentioned are true to the best of my knowledge.


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